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	Type	L #	Hits	Search Text	DBs	Time Stamp	Error Definition
1	BRS	L1	25691	(access$4 same data same (set or sets)) and (stor$4 same devic$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:17	
2	BRS	L2	151	1 and (flag$1 same attempt$4 same fail$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:13	
3	BRS	L3	0	2 and (mutiple$ same stor$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:15	
4	BRS	L4	111	2 and (multiple$ same stor$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:16	Truncation Overflow. Return string from Server is: 5`0`0`MUL
5	BRS	L5	2	4 and (access$4 adj data adj (set or sets)) and (stor$4 same devic$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:30	
6	BRS	L6	26	4 and (access$4 same (data adj (set or sets))) and (stor$4 same devic$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:37	
7	BRS	L7	3	6 and DASD$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:37	

	Document ID	Issue Date	Title	Current OR	Current XRef	Inventor
1	US 20010047457 A1		Digital data processor with improved paging			Kaufman, Mark A. ; Oliveira, Fernando
2	US 6334108 B1	20011225	Method and system for selective incentive point-of-sale marketing in response to customer shopping histories	705/14		Deaton, David W. , et al.
3	US 6332185 B1	20011218	Method and apparatus for paging data and attributes including an atomic attribute for digital data processor	711/209	711/156 ; 711/217	Kaufman, Mark A. , et al.
4	US 6272605 B1	20010807	System using priority data of a host recall request to determine whether to release non-volatile storage with another host before processing further	711/151	709/213 ; 709/214	Le, Cuong Minh , et al.
5	US 5687322 A	19971111	Method and system for selective incentive point-of-sale marketing in response to customer shopping histories	705/14		Deaton, David W. , et al.
6	US 5649114 A	19970715	Method and system for selective incentive point-of-sale marketing in response to customer shopping histories	705/14		Deaton, David W. , et al.
7	US 5644723 A	19970701	Method and system for selective incentive point-of-sale marketing in response to customer shopping histories	705/14		Deaton, David W. , et al.
8	US 5642485 A	19970624	Method and system for selective incentive point-of-sale marketing in response to customer shopping histories	705/14		Deaton, David W. , et al.
9	US 5341483 A	19940823	Dynamic hierarchial associative memory	711/206		Frank, Steven J. , et al.
10	US 5282201 A	19940125	Dynamic packet routing network	370/403		Frank, Steven J. , et al.
11	US 5251308 A	19931005	Shared memory multiprocessor with data hiding and post-store	711/163		Steven J. Frank ; Burkhardt, III, et al.
12	US 5226039 A	19930706	Packet routing switch	370/405		Frank, Steven J. , et al.
13	US 4656475 A	19870407	Method and apparatus for controlling distributed electrical loads	340/825.57	340/825.5	Miller, Edward B. , et al.
14	US 4598286 A	19860701	Method and apparatus for controlling distributed electrical loads	340/3.51	379/102.01	Miller, Edward B. , et al.
15	US 4535332 A	19850813	Method and apparatus for controlling distributed electrical loads	340/3.51	340/825.5 ; 714/822	Miller, Edward B. , et al.
16	US 4525780 A	19850625	Data processing system having a memory using object-based information and a protection scheme for determining access rights to such information	711/163		Bratt, Richard G. , et al.
17	US 4511895 A	19850416	Method and apparatus for controlling distributed electrical loads	340/825.5	340/825.52	Miller, Edward B. , et al.
18	US 4507751 A	19850326	Method and apparatus for logging journal data using a log write ahead data set	707/202	707/200	Gawlick, Dieter , et al.
19	US 4493027 A	19850108	Method of performing a call operation in a digital data processing system having microcode call and return operations	712/228	712/243 ; 712/245	Katz, Lawrence H. , et al.
20	US 4489385 A	19841218	Method and apparatus for controlling distributed electrical loads	700/296	315/312 ; 324/103R	Miller, Edward B. , et al.
21	US 4484258 A	19841120	Apparatus for controlling distributed electrical loads	700/12	340/3.21 ; 340/3.32 ; 340/825.24	Miller, Edward B , et al
22	US 4455602 A	19840619	Digital data processing system having an I/O means using unique address providing and access priority control techniques	710/5	710/39 ; 710/65	Baxter, III, Ward , et al.
23	US 4445177 A	19840424	Digital data processing system utilizing a unique arithmetic logic unit for handling uniquely identifiable addresses for operands and instructions	712/245		Bratt, Richard G. , et al.
24	US 4396844 A	19830802	Method and apparatus for controlling distributed electrical loads	307/39	307/40	Miller, Edward B. , et al.
25	US 4367414 A	19830104	Method and apparatus for controlling distributed electrical loads	307/38		Miller, Edward B. , et al.
26	NN80034740	19800301	Space Allocation on Direct Access Storage Device. March 1980.			

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1 Information retrieval with APL by adaptive index and user guidance 100%
Hans-Joerg Schek , Georg Walch
Proceedings of the APL Quote Quad conference part 1 May 1979
A system is described applicable for information retrieval and update both in formatted and unformatted files containing non-numerical data. It uses a new reference-string indexing technique which supports partial-match queries and similar-record search. The reference-string index is adapted to data usage or data. Those parts of records which are estimated by the program to be specified very often in queries are included as reference strings and inverted. For data access in the retrieval ph ...

2 A technique for distributed execution of design automation tools 100%
S. C. Hughes , D. B. Lewis , C. J. Rimkus
Proceedings of the 22nd ACM/IEEE conference on Design automation June 1985
The demand for computing resources to support design automation systems is growing dramatically due to VLSI design considerations. This demand has created a need for multiple

computing systems to handle the escalated execution requirements of today's Design Automation tools. A distribution technique for executing such tools on multiple computing systems is discussed. The technique employs the definition of three execution modes: interactive foreground, dissociative foreground and batch. Cos ...

3 An open abstract-object storage system 100%

Stephen Blott , Lukas Relly , Hans-Jörg Schek
ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD international conference on Management of data June 1996
Volume 25 Issue 2

4 A mass storage system for supercomputers based on Unix 100%

J. Richards , T. Kummell , D. G. Zarlengo
Supercomputing '88 November 1988

This paper presents the design, implementation and utilization of a large Mass Storage Subsystem (MSS) at the Numerical Aerodynamics Simulation (NAS) at NASA-Ames Research Center. The MSS supports a large networked, multi-vendor Unix-based supercomputing facility. The MSS at Ames Research Center provides all processors on the Numerical Aerodynamics System Processing Network (NPSN), from workstations to supercomputers, the ability to store large amounts of data in a highly accessi ...

5 Dynamic file allocation in disk arrays 100%

Gerhard Weikum , Peter Zabback , Peter Scheuermann
ACM SIGMOD Record , Proceedings of the 1991 ACM SIGMOD international conference on Management of data April 1991
Volume 20 Issue 2

6 The TWA reservation system 100%

David Gifford , Alfred Spector
Communications of the ACM July 1984
Volume 27 Issue 7

Where can you find a solid, forthright overview of the computer systems and management behind airline reservations? NASA's space shuttle? Or any of the multitude of other large computer systems that support important projects or national activities? It's hard, sometimes impossible: partly because the people who worked on such systems often do not have the time to write about their experiences: and partly because many professional

journalists who interview these people do not have the techni ...

7 EAS-E 100%

A. Malhotra , H. M. Markowitz , D. P. Pazel
ACM Transactions on Database Systems (TODS) December 1983
Volume 8 Issue 4

EAS-E (pronounced EASY) is an experimental programming language integrated with a database management system now running on VM/370 at the IBM Thomas J. Watson Research Center. The EAS-E programming language is built around the entity, attribute, and set (EAS) view of application development. It provides a means for translating operations on EAS structures directly into executable code. EAS-E commands have an English-like syntax, and thus EAS-E programs are ...

8 Extensible query processing in starburst 100%

L. M. Haas , J. C. Freytag , G. M. Lohman , H. Pirahesh
ACM SIGMOD Record , Proceedings of the 1989 ACM SIGMOD international conference on Management of data June 1989
Volume 18 Issue 2

Today's DBMSs are unable to support the increasing demands of the various applications that would like to use a DBMS. Each kind of application poses new requirements for the DBMS. The Starburst project at IBM's Almaden Research Center aims to extend relational DBMS technology to bridge this gap between applications and the DBMS. While providing a full function relational system to enable sharing across applications, Starburst will also allow (sophisticated) programmers to add many kinds of ...

9 Economic analysis of microcomputer hardware 99%

Brian D. Lynch , H. Raghav Rao , Winston T. Lin
Communications of the ACM October 1990
Volume 33 Issue 10

Economic analysis of the hardware characteristics of the personal computer segment of the microcomputer market indicates that the variables that most affect cost are the bundle of attributes offered by the micros. Interestingly, certain technological characteristics found to be important explanatory variables for cost in larger computers were not found to be significant for micros.

10 Office documents on a database kernel—filing, retrieval, 99%

and archiving
P. Zabback , H. B. Paul , U. Deppisch
ACM SIGOIS Bulletin , Proceedings of the conference on Office information systems March 1990
Volume 11 Issue 2-3

One of the main component of integrated office systems is the large central filing system. It efficiently stores, retrieves and searches office documents containing text, images, graphics, data and voice. We propose to implement a filing system on top of the Darmstadt database system (DASDBS), which is designed as a data management kernel for both standard and non-standard applications. This paper investigates the choice of appropriate storage structures for the filing system objects and th ...

11 The EAS-E application development system 98%
Harry M. Markowitz , Ashok Malhotra , Donald P. Pazel
Communications of the ACM August 1984
Volume 27 Issue 8

EAS-E is based on the entity-attribute-set view of system description—a useful formalism for system modeling and planning even when programming is done in languages other than EAS-E.

12 The process-flow model 93%
Gregory R. Ganger , Yale N. Patt
ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1993 ACM SIGMETRICS conference on Measurement and modeling of computer systems June 1993
Volume 21 Issue 1

13 Multi-level recovery 91%
Gerhard Weikum , Christof Hasse , Peter Broessler , Peter Muth
Proceedings of the ninth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems April 1990

Multi-level transactions have received considerable attention as a framework for high-performance concurrency control methods. An inherent property of multi-level transactions is the need for compensating actions, since state-based recovery methods do no longer work correctly for transaction undo. The resulting requirement of operation logging adds to the complexity of crash recovery. In addition, multi-level recovery algorithms have to take into account that high-level actions are not nece ...

14 The Segment Based File Support System 87%

Richard M. Kogut

Proceedings of the workshop on virtual computer systems March 1973

This paper describes the Segment Based File Support System (SBFSS) which was designed and implemented by Robert g. Munck and the author, both of Brown University. SBFSS is an extension to IBM's CP-67/CMS virtual machine operating system for the IBM 360/67 computer. Its primary purpose is to allow CP to allocate more efficiently its direct access device (DASD) resources among a large number of users. Other advantages include improved response time, greater flexibility in sharing processors a ...

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1 **Error sources and feasibility for microwave remote sensing of ocear salinity**
Yueh, S.H.; West, R.; Wilson, W.J.; Li, F.K.; Njoku, E.G.; Rahmat-Samii, Y.
Geoscience and Remote Sensing, IEEE Transactions on , Volume: 39 Issue: 5
2001
Page(s): 1049 -1060

[Abstract] [PDF Full-Text (268 KB)] **JNL**

2 **High-performance extendable instruction set computing**
Heui Lee; Beckett, P.; Appelbe, B.
Computer Systems Architecture Conference, 2001. ACSAC 2001. Proceedings Australasian , 2001
Page(s): 89 -94

[Abstract] [PDF Full-Text (500 KB)] **CNF**

3 **Bus in a new light**
Aloisio, A.; Cevenini, F.; Fiore, D.J.
Nuclear Science, IEEE Transactions on , Volume: 47 Issue: 2 Part: 1 , April 2(
Page(s): 309 -312

[Abstract] [PDF Full-Text (280 KB)] **JNL**

4 **Variability in ERS scatterometer measurements over land**
Abdel-Messeh, M.; Quegan, S.

Geoscience and Remote Sensing, IEEE Transactions on , Volume: 38 Issue: 4
July 2000
Page(s): 1767 -1776

[Abstract] [PDF Full-Text (268 KB)] **JNL**

---

5 **A multidimensional histogram rain-flagging technique for SeaWinds QuikSCAT**
Huddleston, J.N.; Stiles, B.W.
Geoscience and Remote Sensing Symposiun, 2000. Proceedings. IGARSS 200 2000 International , Volume: 3 , 2000
Page(s): 1232 -1234 vol.3

[Abstract] [PDF Full-Text (264 KB)] **CNF**

---

6 **Bus in a new light [parallel optical link]**
Aloisio, A.; Cevenini, F.; Fiore, D.J.
Real Time Conference, 1999. Santa Fe 1999. 11th IEEE NPSS , 1999
Page(s): 423 -426

[Abstract] [PDF Full-Text (336 KB)] **CNF**

---

7 **PC DAQ, a Windows based DAQ system**
Hogan, G.E.
Real Time Conference, 1999. Santa Fe 1999. 11th IEEE NPSS , 1999
Page(s): 160

[Abstract] [PDF Full-Text (28 KB)] **CNF**

---

8 **A hierarchical data archiving and processing system to generate cus tailored products from AVHRR data**
Kalluri, S.N.V.; Zhang, Z.; Jaja, J.; Bader, D.A.; Song, H.; El Saleous, N.; Vei Townshend, J.R.G.
Geoscience and Remote Sensing Symposium, 1999. IGARSS '99 Proceedings. 1999 International , Volume: 5 , 1999
Page(s): 2374 -2376 vol.5

[Abstract] [PDF Full-Text (260 KB)] **CNF**

---

9 **Onboard science data analysis: applying data mining to science-dire autonomy**
Stolorz, P.; Cheeseman, P.
IEEE Intelligent Systems [see also IEEE Expert] , Volume: 13 Issue: 5 , Sept.

Page(s): 62 -68

[Abstract] [PDF Full-Text (1756 KB)] **JNL**

10 **An IDDQ sensor for concurrent timing error detection**
Knight, C.G.; Singh, A.D.; Nelson, V.P.
Solid-State Circuits, IEEE Journal of , Volume: 33 Issue: 10 , Oct. 1998
Page(s): 1545 -1550

[Abstract] [PDF Full-Text (188 KB)] **JNL**

11 **An IDDQ sensor for concurrent timing error detection**
Knight, C.G.; Singh, A.D.; Nelson, V.P.
Defect and Fault Tolerance in VLSI Systems, 1997. Proceedings., 1997 IEEE International Symposium on , 1997
Page(s): 281 -289

[Abstract] [PDF Full-Text (480 KB)] **CNF**

12 **A rule based fuzzy reasoning system for assessing the risk of mana fraud**
Deshmukh, A.; Talluru, T.L.N.
Systems, Man, and Cybernetics, 1997. Computational Cybernetics and Simul 1997 IEEE International Conference on , Volume: 1 , 1997
Page(s): 669 -673 vol.1

[Abstract] [PDF Full-Text (344 KB)] **CNF**

13 **A mechanism for SIMD execution of SPMD programs**
Takahashi, Y.
High Performance Computing on the Information Superhighway, 1997. HPC A 1997
Page(s): 529 -534

[Abstract] [PDF Full-Text (336 KB)] **CNF**

14 **The aerosol optical thickness retrieval from GOME spectra**
Bartoloni, A.; Mochi, M.; Serafini, C.; Cervino, M.; Guzzi, R.; Torricella, P.
Geoscience and Remote Sensing, 1997. IGARSS '97. Remote Sensing - A Scie Vision for Sustainable Development., 1997 IEEE International , Volume: 4 , 1
Page(s): 1908 -1910 vol.4

[Abstract] [PDF Full-Text (268 KB)] **CNF**

15 **Flag-oriented parallel associative architectures and applications**
Tavangarian, D.
Computer , Volume: 27 Issue: 11 , Nov. 1994
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[Abstract] [PDF Full-Text (988 KB)] **JNL**

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16 **A single chip multimedia video processor**
Balmer, K.; Ing-Simmons, N.; Moyse, P.; Robertson, I.; Keay, J.; Hammes, M Oakland, E.; Simpson, R.; Barr, G.; Roskell, D.
Custom Integrated Circuits Conference, 1994., Proceedings of the IEEE 1994
Page(s): 91 -94

[Abstract] [PDF Full-Text (404 KB)] **CNF**

17 **An arbitration tree adapted to object oriented associative memorie**
Archambaud, D.; Faudemay, P.
Computer Design: VLSI in Computers and Processors, 1994. ICCD '94. Proce IEEE International Conference on , 1994
Page(s): 306 -310

[Abstract] [PDF Full-Text (376 KB)] **CNF**

18 **Tools and heuristics for operation of network applications**
Robertson, B.; Romero, G.; Singh, J.
Power Industry Computer Application Conference, 1993. Conference Proceedi

Page(s): 112 -116

[Abstract] [PDF Full-Text (324 KB)] **CNF**

19 **Fault models and tests specific for FIFO functionality**
van de Goor, A.J.; Zorian, Y.

Memory Testing, 1993., Records of the 1993 IEEE International Workshop on
Page(s): 72 -76

[Abstract] [PDF Full-Text (360 KB)] **CNF**

20 **Data replication between two geographically remote sites across a area network**
Robson, P.G.; Adlam, K.A.M.
Distributed Databases, IEE Colloquium on , 1992
Page(s): 3/1 -3/3

[Abstract] [PDF Full-Text (140 KB)] **CNF**

21 **Real-time algorithms and data structures for underwater mapping**
Oskard, D.N.; Hong, T.-H.; Shaffer, C.A.
Systems, Man and Cybernetics, IEEE Transactions on , Volume: 20 Issue: 6 , 1990
Page(s): 1469 -1475

[Abstract] [PDF Full-Text (824 KB)] **JNL**

22 **Latest trends in parts SEP susceptibility from heavy ions**
Nichols, D.K.; Smith, L.S.; Soli, G.A.; Koga, R.; Kolasinski, W.A.
Nuclear Science, IEEE Transactions on , Volume: 36 Issue: 6 Part: 1-2 , Dec.
Page(s): 2388 -2397

[Abstract] [PDF Full-Text (440 KB)] **JNL**

23 **Near real-time CSG rendering using tree normalization and geomet pruning**
Goldfeather, J.; Monar, S.; Turk, G.; Fuchs, H.
IEEE Computer Graphics and Applications , Volume: 9 Issue: 3 , May 1989
Page(s): 20 -28

[Abstract] [PDF Full-Text (628 KB)] **JNL**

24 **Flag-algebra: a new concept for the realisation of fully parallel ass architectures**
Tavangarian, D.
Computers and Digital Techniques, IEE Proceedings E [see also Computers ar DigitalTechniques, IEE Proceedings-] , Volume: 136 Issue: 5 , Sept. 1989
Page(s): 357 -365

[Abstract] [PDF Full-Text (716 KB)] **JNL**

25 **A Josephson 4 bit RALU for a prototype computer**
Nakagawa, H.; Kosaka, S.; Kawamura, H.; Kurosawa, I.; Aoyagi, M.; Hamaz
Okada, Y.; Takada, S.
Solid-State Circuits, IEEE Journal of , Volume: 24 Issue: 4 , Aug. 1989
Page(s): 1076 -1084

[Abstract] [PDF Full-Text (852 KB)] **JNL**

26 **A parallel, high speed circular queue structure**
Barbour, A.E.; Alhayek, I.
Circuits and Systems, 1989., Proceedings of the 32nd Midwest Symposium or
Page(s): 1089 -1092 vol.2

[Abstract] [PDF Full-Text (320 KB)] **CNF**

27 **An interactive distribution load forecasting methodology for minic use based upon a Markov-type process**
Smolleck, H.A.; Kim, K.C.
Power Systems, IEEE Transactions on , Volume: 3 Issue: 1 , Feb. 1988
Page(s): 52 -58

[Abstract] [PDF Full-Text (572 KB)] **JNL**

28 **Applicatiwof Microprocessors In A Multi-processor System**
Liu, D.J.; Chen, C.F.
Region Six Conference Record, 1977. IEEE 1977
Page(s): 27 -27

[Abstract] [PDF Full-Text (40 KB)] **CNF**

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1 Bitton, D. and Gray, J., Disk Shadowing, 14th VLDB Conf., 1988

2 Boral, H., et al, Prototyping Bubba, A Highly Parallel Database System, IEEE Trans. on Knowledge and Data Engineering, Vol. 2, No. 1, 1990

3 Chen, P.M. and Patterson, D. A., Maximizing Performance in a Striped Disk Array, Proceedings of the 17th Int. Symposium on Computer Architecture, 1990

4 George Copeland , William Alexander , Ellen Boughter , Tom Keller, Data placement in Bubba, Proceedings of the conference on Management of data, p.99-108, June 01-03, 1988, Chicago, Illinois, United States

5 George Copeland , Tom Keller, A comparison of high-availability media recovery techniques, ACM SIGMOD Record, v.18 n.2, p.98-109, June 1989

6 Michael J. Carey , David J. DeWitt , Joel F. Richardson , Eugene J. Shekita, Storage management for objects in EXODUS, Object-oriented concepts, databases, and applications, ACM Press, New York, NY, 1989

7 DeWitt, D.J., et al, The Gamma Database Machine Project, IEEE Trans. on Knowledge and Data Engineering, Vol. 2, No. 1, 1990

8 Ghandeharizadeh, S. and DeWitt, D. J., A Multiuser Performance Analysis of Alternative Declustering Strategies, Proc. of the 6nd Int. Conf. on Data Engineering, 1990

9 Shahram Ghandeharizadeh , David J. DeWitt, Hybrid-range partitioning strategy: a new declustering strategy for multiprocessor databases machines, Proceedings of the sixteenth international conference on Very large databases, p.481-492, September 1990, Brisbane, Australia

10 G. A. Gibson , L. Hellerstein , R. M. Karp , D. A. Patterson, Failure correction techniques for large disk arrays, ACM SIGARCH Computer Architecture News, v.17 n.2, p.123-132, April 1989

11 Gifford, D. and Spector, A., The TWA Reservation System, CACM, Vol.27 No.7, 1984

12 Jim Gray , Bob Horst , Mark Walker, Parity striping of disc arrays: low-cost reliable storage with acceptable throughput, Proceedings of the sixteenth international conference on Very large databases, p.148-161, September 1990, Brisbane, Australia

13 Mark F. Hornick , Stanley B. Zdonik, A shared, segmented memory system for an object-oriented database, ACM Transactions on Information Systems (TOIS), v.5 n.1, p.70-95, Jan. 1987

14 Scott E. Hudson , Roger King, Cactis: a self-adaptive, concurrent implementation of an object-oriented database management system, ACM Transactions on Database Systems (TODS), v.14 n.3, p.291-321, Sept. 1989

15 Katz, R.H., et al, A Project on High Performance I/O Subsystems, Database Engineering, Vol. 11, No. 1, 1988, pp. 40-47

16 M Y Kim, Synchronized disk interleaving, IEEE Transactions on Computers, v.35 n.11,

p.978-988, Nov. 1986

17 T. J. Lehman , B. G. Lindsay, The Starburst long field manager, Proceedings of the fifteenth international conference on Very large data bases, p.375-383, July 1989, Amsterdam, The Netherlands

18 Miron Livny , Setrag Khoshafian , Haran Boral, Multi-disk management algorithms, ACM SIGMETRICS Performance Evaluation Review, v.15 n.1, p.69-77, May 1987

19 M2344K Micro-Disk Drives CE Manual, Document No. 41FH6817E-OIA, Fujitsu Ltd., 1987

20 Moad, J., Relief for Slow Storage Systems, Datamatzon, Vol. 36, No. 17, 1990

21 Edward Omiecinski , Peter Scheuermann, A parallel algorithm for record clustering, ACM Transactions on Database Systems (TODS), v.15 n.4, p.599-624, Dec. 1990

22 Ousterhout, J.K., et al, A Trace-Driven Analysis of the UNIX 4.2 BSD File System, Proc. ACM Symposium on Operating System Principles, 1985

23 David A. Patterson , Garth Gibson , Randy H. Katz, A case for redundant arrays of inexpensive disks (RAID), Proceedings of the conference on Management of data, p.109-116, June 01-03, 1988, Chicago, Illinois, United States

24 A. L. Reddy , P. Banerjee, An evaluation of multiple-disk I/O systems, IEEE Transactions on Computers, v.38 n.12, p.1680-1690, Dec. 1989

25 Salem, K. and Garcia-Molina, H., Disk Striping, Proc. of the 2nd Int. Conf. on Data Engineering, 1986

26 B. Samadi, TUNEX: a knowledge-based system for performance tuning of the UNIX operating system, IEEE Transactions on Software Engineering, v.15 n.7, p.861-874, July 1989

27 Schek, H.-J., et al, The DASDBS Project: Objectives, Experiences, and Future Prospects, IEEE Trans. on Knowledge and Data Engineering, Vol.2 No.l, 1990

28 P. Scheuermann , Y. C. Park , E. Omiecinski, Heuristic reorganization of clustered files, 3rd International Conference, FODO 1989 on Foundations of Data Organization and Algorithms, p.16-30, July 1989, Paris, France

29 Smith, A.J., Input/Output Optimization and Disk Architectures: A Survey, Performance and Evaluation, Vol. 1, 1981

30 Sehwetman, H., CSIM Reference Manual (Revision 13), MCC Technical Report ACA-ST-252-87, Rev. 13, MCC, Austin, 1989

31 Stonebraker, M., The Case for Shared Nothing, 1EEE Database Engineering, Vol. 9, No. 1, 1986

32 Stonebraker, M., et al, The Design of XPRS, VLDB Conf., 1988

33 The Tandem Database Group, NonStopSQL: A Distributed, High-Performance, High-Availability Implementation of SQL, 2nd Int. Worgshop on High Performance Transaction systems, Springer, 1989

34 Teradata, DBC/1012 Database Computer System Manual Release 2.0, Document No. C10-0001-02, Teradata Corp., 1985

35 Weikum, G., Set-Oriented Disk Access to Large Complex Objects, Proc. of the 5th Int. Conf. on Data Engineering, 1989

36 Weikum, G., Hasse, C., Moenkeberg, A., and Zabback, P., The COMFORT Project: A Comfortable Way to Better Performance, Technical Report, ETH Zurich, 1990

37 Weikum, G., Zabback, P., Scheuermann, P., Dynamic File Allocation in Disk Arrays, Technical Report, ETH Zurich, 1990

38 P. Zabback , H. B. Paul , U. Deppisch, Office documents on a database kernel—filing, retrieval, and archiving, ACM SIGOIS Bulletin, v.11 n.2-3, p.261-270, Apr. 1990

↑ CITINGS *4*

Axel Moenkeberg , Peter Zabback , Christof Hasse , Gerhard Weikum, The COMFORT prototype, ACM SIGMOD Record, v.22 n.2, p.542-543, June 1, 1993

Radek Vingralek , Yuri Breitbart , Gerhard Weikum, Distributed file organization with scalable cost/performance, ACM SIGMOD Record, v.23 n.2, p.253-264, June 1994

Kiran J. Achyutuni , Edward Omiecinski , Shamkant B. Navathe, Two techniques for on-line index modification in shared nothing parallel databases, ACM SIGMOD Record, v.25 n.2, p.125-136, June 1996

Peter A. Buhr , Anil K. Goel , Naomi Nishimura , Prabhakar Ragde, &mgr;Database, Proceedings of the 8th annual ACM symposium on Parallel algorithms and architectures, p.196-199, June 24-26, 1996, Padua, Italy

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